ASHRAE JOURNAL

Editorial Index for 1962

VOLUME 4—Names of authors appear in capitals, subject classifications in italics

	No.	Page
A		
ACHENBACH, P. R., see J. C. Davis	9—	87
A New, Readily-Usable Chart for Determining Moist-Air Density, J. K. Brasch	7—	48
ACHENBACH, P. R., F. J. J. Drapeau and C. W. Phillips, Environmental Characteristics of a Small Underground Fallout Shelter	1—	21
Acid Removal by Various Desiccants, J. E. Hoffman and B. L. Lange	2—	61
Air Conditioning		
Australian Industrial Development and Requirements of the Air Handling Industry, W. L. Kuttner	10—	37
Climate Controlled and Non-Climate Controlled School Buildings, H. C. Curtis and A. J. Stuart	6—	40
Determine the Internal Resistance of a Furnace or Air Conditioner, H. F. Farquhar	1—	46
Ram Cooling Air Modulation in Aircraft Air Conditioning	6—	48
Solar-Heated House Uses ¾ hp for Air Conditioning, H. E. Thomason	11—	58
ALYEA, H. W. and W. P. Chapman, RP5 Studies Air-Conditioning System Control	12—	75
American Society of Heating, Refrigerating and Air-Conditioning Engineers		
Amendments to By-laws	4—	68
	9—	76
Fiscal Report	1—	80
Overseas Societies Affiliate with ASHRAE	9—	41
Semiannual Meeting, St. Louis, Mo.		
Abstracts	1—	62
News Report	3—	61
69th Annual Meeting, Miami Beach, Fla.		
Abstracts	6—	62
News Report	8—	47
Board of Directors Sessions	9—	71
American Society of Mechanical Engineers		
New Psychrometric Chart Announced at Joint ASHRAE-ASME Meeting	1—	29
An Analog Evaluation of Methods for Solar Heat Gain through Windows, D. G. Stephenson and G. P. Mitalas	2—	41
Application and Selection of Electric Infrared Comfort Heaters (High Intensity Infrared Radiant Space Heating Symposium, ASHRAE 69th Annual Meeting)	10—	57
Appilcation of Steel Boiler Ratings, M. H. Westerberg	4—	43
Are Present Recommended Winter Outdoor Design Temperatures Valid?, L. Williams	6—	89
Atmospheric Ions in Relation to Comfort and Other Responses of Normal Individuals, C. M. Humphreys and B. H. Jennings	9—	55
Australian Industrial Development and Requirements of the Air Handling Industry, W. L. Kuttner	10—	37
B		
BENNETT, A. H., W. G. Chace, Jr. and R. H. Cubbedge, Use of the Fitch Method for Estimating the Thermal Conductivity of Components of Fruits and Vegetables	9—	80
BOEDDENER, W. E., becomes Advertising Sales Manager	10—	95
BOUILLON, LINCOLN, nominated for Director-at-Large	4—	66
BOYAR, R. E., Room Temperature Dynamics of Radiant Ceiling and Air-Conditioning Comfort Systems	12—	59
BOYD, R. L., Application and Selection of Electric Infrared Comfort Heaters (High Intensity Infrared Radiant Space Heating Symposium, ASHRAE 69th Annual Meeting)	10—	57
BRASCH, J. K., A New, Readily-Usable Chart for Determining Moist-Air Density	7—	48
BROUHA, L., Physiological Reactions to Psychrometric Extremes	3—	83
BROWN, E. J., see J. J. Healy	5—	70
BRYAN, W. L., Heat and Mass Transfer in Dehumidifying Extended Surface Coils	4—	60
C		
CAMPBELL, E. K., advanced to Fellow	10—	86
CHACE, W. G., JR., see A. H. Bennett	9—	80
CHAPMAN, D. D., see R. C. McHarness	1—	49
CHAPMAN, W. P., see H. W. Alyea	12—	75
CHATO, J. D., Laminar Condensation Inside Horizontal and Inclined Tubes	2—	52
CHURCHILL, F., see E. C McCracken	11—	27
Climate Controlled and Non-Climate Controlled School Buildings, H. C. Curtis and A. J. Stuart	6—	40
COLLINS, W. J., JR., nominated for Director Region VIII	4—	67
Comment		
A Cover Story	12—	29
Common Goals	3—	35
Free Interchange	6—	35
International Concord	10—	35
It Couldn't Be Done—But They Did It	11—	25
New Faces	4—	35
Standards	2—	35
That Higher Education	1—	17
This Body Fell Not Down	7—	17
Three Score Years	9—	37
Where We Stand	5—	35
Which Foot Forward?	8—	35
Comparative Study of the Effectiveness of Fixed Ventilating Louvers, H. S. Hinrichs	5—	77
Condensers		
Operating Economy of Air-Cooled Refrigerant Condensers, O. J. Nussbaum and M. Lichtenstein	3—	75
Control of High Intensity Infrared Heating (High Intensity Infrared Radiant Space Heating Symposium, ASHRAE 69th Annual Meeting)	10—	66
Controlling Contaminants for Air Cleaner Effectiveness, R. J. Looney	7—	22
Corrosion Inhibition in Lithium Bromide Absorption Refrigeration Systems, K. F. Dockus, R. H. Krueger and W. F. Rush	12—	61
Crossflow Cooling Tower Analysis and Design, N. Zamuner	4—	50
CUBBEDGE, R. H., see A. H. Bennett	9—	80
CURTIS, H. C. and A. J. Stuart, Climate Controlled and Non-Climate Controlled School Buildings	6—	40
D		
DAVIS, J. C. and P. R. Achenbach, Energy Use and Power Demand in All-Electric Houses Equipped with Air-to-Air Heat Pumps	9—	87
DEAVER, F. K., see W. R. Penney	11—	64
DENNIS, R. and L. Silverman, Fabric Filter Cleaning by Intermittent Reverse Air Pulse	3—	43
Determine the Internal Resistance of a Furnace or Air Conditioner, H. F. Farquhar	1—	46
Dimensionless Method for Determining Shell-Tube Heat Exchanger Tube Sheet Geometry, S. B. Dunkelberg	12—	48
DOCKUS, K. F., R. H. Krueger and W. F. Rush, Corrosion Inhibition in Lithium Bromide Absorption Refrigeration Systems	12—	67
DRAPEAU, F. J. J., see P. R. Achenbach	1—	21
DUBE, J. E., nominated for Second Vice President	4—	65
DUNKELBERG, S. B., Dimensionless Method for Determining Shell-Tube Heat Exchanger Tube Sheet Geometry	12—	48
E		
Effects of Additives and Oil Refining on Refrigerant-Refrigerator Oil Stability, C. J. Rizzuti, G. D. Staffin and A. W. Jenkins	7—	31
EGGERT, L. J., Transient Currents in Heat Pumps	10—	50
Energy Sources and Requirements for Residential Heating, R. C. Jordan, G. A. Erickson and R. R. Leonard	1—	33
Energy Use and Power Demand in All-Electric Houses Equipped with Air-to-Air Heat Pumps, J. C. Davis and P. R. Achenbach	9—	87
Environmental Characteristics of a Small Underground Fallout Shelter, P. R. Achenbach, F. J. J. Drapeau and C. W. Phillips	1—	21
ERICKSON, G. A., see R. C. Jordan	1—	33
Estimation of Heating Energy Requirements, N. E. Hager, Jr.	8—	40
Evaluation of Central Plant Hot-Chilled Water Systems of Schools, C. J. R. McClure	6—	51
EVERETTS, JOHN, JR.		
Chapter Allocations	3—	53
Closing Out My Year	6—	47
Of National Meetings	2—	65
F		
FARQUHAR, H. F., Determine the Internal Resistance of a Furnace or Air Conditioner	1—	46
FAUST, FRANK H.		
Nominated for First Vice President	4—	64
ASHRAE Research Program Outlined	5—	52
Regional Organization and Activities of ASHRAE	9—	52
FELDMAN, C. L., Selection of Hot Junction Temperatures for Minimum Fin Area Thermoelectric Refrigerators	2—	68
FELTUS, A. G., becomes Assistant Secretary-Membership	10—	95

	No.	Page
Field and Laboratory Performance of Air Cleaners, K. T. Whitby, R. C. Jordan and A. B. Algren	6—	79
FIELD, CROSBY, becomes Honorary Member	1—	48
Filtration		
Controlling Contaminants for Air Cleaner Effectiveness, R. J. Looney	7—	22
Fabric Filter Cleaning by Intermittent Reverse Air Pulse, R. Dennis and L. Silverman	2—	43
Field and Laboratory Performance of Air Cleaners, K. T. Whitby, R. C. Jordan and A. B. Algren	6—	79
Operating Principles of Non-Ionizing Electrostatic Air Filters, R. D. Rivers	2—	37
Five-Year Test Study of Fibrous Glass Cushion over Vapor Barrier on —100 F Insulated Vessel, W. A. Lotz	6—	76
FLINK, C. H., retires as Editor of Guide and Data Book	7—	77
FOX, JOHN H.		
Nominated for President	4—	64
Makeup and Functions of ASHRAE Committees	5—	55
Membership . . . A Privilege and an Opportunity	10—	42
Regional Meetings 1962	12—	47
Wanted . . . Challenges	11—	35
Frozen Food Storage in Household Refrigerators, E. C McCracken and F. Churchill	11—	27

G

GILMAN, S. F., Research Year in Review	6—	97
GOLDBERG, N. and A. Greenberg, Organization and Conduct of Society-Sponsored Education Lecture Series	3—	55
GOWDY, A. C., nominated for Director Region IV	4—	66
GRAGG, H. G., nominated for Director-at-Large	4—	66
GRANT, W. A., Society Management Reorganization Approved by ASHRAE Board	5—	48
GRAY, GEORGE, advances to Circulation Manager	7—	77
GREENWALD, R., Water Treatment and Boiler Maintenance	7—	27
GROTH, H. F., Some Basic Principles of Food Freezing	10—	54

H

HAGER, N. E., JR., Estimation of Heating Energy Requirements	8—	40
HARDY, J. D., Physiological Effects of High Intensity Infrared Heating	11—	36
HAYES, H. P., advanced to Fellow	10—	86
HEALY, J. H., M. N. Patterson and E. J. Brown, Pressure Losses through Fittings Used in Return Air Duct Systems	5—	70
Heat and Mass Transfer in Dehumidifying Extended Surface Coils, W. L. Bryan	4—	60
Heating		
Energy Sources and Requirements for Residential Heating, R. C. Jordan, G. A. Erickson and R. R. Leonard	1—	33
Estimation of Heating Energy Requirements, N. E. Hager, Jr.	8—	40
Physiological Effects of High Intensity Infrared Heating, J. D. Hardy	11—	36
Heat Transfer		
Heat and Mass Transfer by Free Convection from Humid Air to a Metal Plate under Frosting Conditions, C. A. Whitehurst	4—	58
Heat and Mass Transfer in Dehumidifying Extended Surface Coils, W. L. Bryan	4—	60
Natural Convection Heat Transfer from a Heated Cylinder in Air at Sub-Atmospheric Pressures, L. B. Sullivan and W. I. Truettner	5—	54
Hidden Properties of Refrigerators, M. Kaplan	12—	53
High Intensity Infrared Radiant Space Heating Symposium, ASHRAE 69th Annual Meeting		
Application and Selection of Electric Infrared Comfort Heaters, R. L. Boyd	10—	52
Control of High Intensity Infrared Heating C. A. Walker	10—	66
Physiological Effects of High Intensity Infrared Heating, I. D. Hardy	11—	36
Selection and Application of Overhead Gas-Fired Infrared Heating Devices, F. J. Prince	10—	62
HINRICHS, H. S., Comparative Study of the Effectiveness of Fixed Ventilating Louvers	5—	77
HOFFMAN, J. E. and B. L. Lange, Acid Removal by Various Desiccants	2—	61
HOLLADAY, W. L.		
Improved Methods for Calculating Design Temperatures	7—	36
More Milk for Cool Cows	10—	85
HOLLANDER, J. L., Effect of Climatic Factors on Human Disease	2—	47
HOLTZ, H. F., Rating of Package Firetube Generators	5—	40
HUMPHREYS, C. M., advanced to Fellow	10—	87
HUMPHREYS, C. M. and B. H. Jennings, Atmospheric Ions in Relation to Comfort and other Responses of Normal Individuals	9—	55
HUTCHEON, N. B., Society Policy on Standards	8—	81

I

Improved Methods for Calculating Design Temperatures, W. L. Holladay	7—	36
Influence of Recirculated Combustion Products on Burning Velocity, C. Karr and A. Putnam	9—	43
International Institute of Refrigeration		
U.S. to Host IIR Meetings	4—	76
IIR Commissions Hold First Meetings in the United States	10—	69
Abstracts	10—	72
Insulation Properties of Fluorocarbon Expanded Rigid Urethane Foam, R. E. Knox	10—	43

J

JANSSEN, FRED, nominated for Director Region IX	4—	67
JENKINS, A. W., see G. D. Staffin	7—	31
JENNINGS, B. H., see C. M. Humphreys	9—	55
JENNINGS, B. H., New Concepts in American Education and their Relation to Industry	6—	37
Jet Stream Ventilation for Extreme Air Cleanliness, P. Kranz	8—	37
JOHNSON, V. J., Proposed Changes in Refrigerant Tables Reviewed	11—	67
JOHNSTON, J. F., JR., Rating of Intermediate and Large Commercial Steel Boilers	5—	42
JORDAN, R. C. and B. Y. Liu, Solar Energy Data Applicable to Building Design	12—	31
JORDAN, R. C., G. A. Erickson and R. R. Leonard, Energy Sources and Requirements for Residential Heating	1—	33
JORDAN, R. C., see K. T. Whitby	6—	79

K

KAPLAN, M., Hidden Properties of Refrigerators	12—	53
KARR, N. and A. Putnam, Influence of Recirculated Combustion Products on Burning Velocity	9—	43
KEW, Theo. J., see M. K. Veldhuis	12—	43
KNOX, R. E., Insulation Properties of Fluorocarbon Expanded Rigid Urethane Foam	10—	43
KRANZ, P., Jet Stream Ventilation for Extreme Air Cleanliness	8—	37
KRUEGER, R. H., see K. F. Dockus	12—	67
KUTTNER, W. L., Australian Industrial Development and Requirements of the Air Handling Industry	10—	37

L

Laboratory Apparatus for Thermal Conductivity Determination of Bulk Materials, W. R. Penney and F. K. Deaver	11—	64
Laminar Condensation Inside Horizontal and Inclined Tubes, J. C. Chato	2—	52
LANGE, B. L., see J. E. Hoffman	2—	61
LEONARD, R. R., see R. C. Jordan	1—	33
LEVY, S. L., see W. O. Walker	8—	59
LICHTENSTEIN, M., see O. J. Nussbaum	3—	75
LIPSTEIN, N. J., Low Velocity Sudden Expansion Pipe Flow	7—	43
LIU, B. Y., see R. C. Jordan	12—	31
LOMAX, BURT, JR., nominated for Director Region VII	4—	67
LOONEY, R. J., Controlling Contaminants for Air Cleaner Effectiveness	7—	22
LOTZ, W. A., Five-year Test Study of Fibrous Glass Cushion over Vapor Barrier on —100 F Insulated Vessel	6—	76
Low Velocity Sudden Expansion Pipe Flow, N. J. Lipstein	7—	43

M

MAC PHEE, CARL W., becomes Editor of Guide and Data Book	7—	77
MARIN, AXEL, nominated for Director Region VI	4—	66
MAY, JAMES W., nominated for Treasurer	4—	65
MAYERS, M. A., Our Aim is to Make Our Research Programs Truly Cooperative	1—	86
MAYS, R. L., Molecular Sieve and Gel-Type Desiccants for Refrigerants 12 and 22	8—	73
MC CLURE, C. J. R., Evaluation of Central Plant Hot-Chilled Water Systems of Schools	6—	51
MC CRACKEN, E. C and F. Churchill, Frozen Food Storage in Household Refrigerators	11—	27
MC GRATH, W. L., nominated for Director-at-Large	4—	65
MC HARNESS, R. C. and D. D. Chapman, Refrigerating Capacity and Performance Data for Various Refrigerants, Azeotropes and Mixtures	1—	49
MEFFERT, G. H., nominated for Director-at-Large	4—	65
MILLER, L. G., advanced to Fellow	10—	87
MILLER, W. K., JR., Unknown Quantity of Annual Fuel Consumption	12—	42
MITALAS, G. P., see D. G. Stephenson	2—	41
Molecular Sieve and Gel-Type Desiccants for Refrigerants 12 and 22, R. L. Mays	8—	73

N

Natural Convection Heat Transfer from a Heated Cylinder in Air at Sub-Atmospheric Pressures, L. B. Sullivan and W. I. Truettner	4—	54
New Concepts in American Education and their Relation to Industry, B. H. Jennings	6—	37
NUSSBAUM, O. J. and M. Lichtenstein, Operating Economy of Air-Cooled Refrigerant Condensers	3—	75

O

OLSON, E. O., Spray Droplet Size of Pressure-Atomizing Burner Nozzles	3—	39
Operating Economy of Air-Cooled Refrigerant Condensers, O. J. Nussbaum and M. Lichtenstein	3—	75
Operating Principles of Non-Ionizing Electrostatic Air Filters, R. D. Rivers	2—	37
Organization and Conduct of Society-Sponsored Education Lecture Series, N. Goldberg and A. Greenberg	3—	55
OVERMYER, E. J. and K. T. Tanemura, Ram Cooling Air Modulation in Aircraft Air Conditioning	6—	48

No. Page

P

PATTERSON, M. N., see J. H. Healy ..... 5— 70
PENNEY, W. R. and F. K. Deaver, Laboratory Apparatus for Thermal Conductivity Determination of Bulk Materials ..... 11— 64
PENNINGTON, E. L., joins staff of Guide and Data Book ..... 9— 107
PHILLIPS, C. W., see P. R. Achenbach ..... 1— 21
Physiological Effects of High Intensity Infrared Heating, J. D. Hardy ..... 11— 36
Physiological Reactions to Psychrometric Extremes, L. Brouha ..... 3— 83
PLANK, RUDOLF, is ASHRAE lecturer ..... 4— 74
President's Page
EVERETTS, JOHN, JR.
Chapter Allocations ..... 3— 53
Closing Out My Year ..... 6— 47
Of National Meetings ..... 2— 65
FAUST, FRANK H., Regional Organization and Activities of ASHRAE ..... 9— 52
FOX, JOHN H.
As We Enter the New Society Year ..... 7— 21
Makeup and Functions of ASHRAE Committees 5— 55
Membership . . . A Privilege and an Opportunity 10— 42
Regional Meetings 1962 ..... 12— 47
Wanted . . . Challenges! ..... 11— 35
HUTCHEON, N. B., Society Policy on Standards 8— 81
SILVERA, A., Overseas Affiliation ..... 4— 49
Pressure Losses through Fittings Used in Return Air Duct Systems, J. H. Healy, M. N. Patterson and E. J. Brown ..... 5— 70
PRINCE, F. J., Selection and Application of Overhead Gas-Fired Infrared Heating Devices (High Intensity Infrared Radiant Space Heating Symposium, ASHRAE 69th Annual Meeting) ..... 10— 62
PUTNAM, A., see C. Karr ..... 9— 43

R

Ram Cooling Air Modulation in Aircraft Air Conditioning, E. J. Overmyer and K. T. Tanemura .. 6— 48
Rating of Intermediate and Large Commercial Steel Boilers (Steel Boiler Ratings Symposium, ASHRAE Semiannual Meeting, St. Louis ..... 5— 44
Rating of Package Firetube Generators (Steel Boiler Ratings Symposium, ASHRAE Semiannual Meeting, St. Louis) ..... 5— 40
Rating of Residential and Small Commercial Steel Boiler (Steel Boiler Ratings Symposium, ASHRAE Semiannual Meeting, St. Louis) ..... 4— 37
Refrigerants
Effects of Additives and Oil Refining on Refrigerant-Refrigerator Oil Stability, C. J. Rizzuti, G. D. Staffin and A. W. Jenkins ..... 7— 31
Molecular Sieve and Gel-Type Desiccants for Refrigerants 12 and 22, R. L. Mays ..... 8— 73
Refrigerant Piping for Single Compressor Systems, S. J. Gianni ..... 4— 46
Refrigerating Capacity and Performance Data for Various Refrigerants, Azeotropes and Mixtures, R. C. McHarness and D. C. Chapman .... 1— 49
Stability of Mixtures of Refrigerants and Refrigerating Oils, W. O. Walker, S. Rosen and S. L. Levy ..... 8— 59
Vapor Pressures of Refrigerant 12-Refrigerant 22 Mixtures, H. O. Spauschus ..... 9— 42
Refrigeration
Corrosion Inhibition in Lithium Bromide Absorption Refrigeration Systems, K. F. Dockus, R. H. Krueger and W. F. Rush ..... 12— 67
Frozen Foods Storage in Household Refrigerators, E. C McCracken and F. Churchill ..... 11— 27
Refrigeration Used in Piercing the Steeg Dam, J. Thevenin ..... 7— 54
Selection of Hot Junction Temperatures for Minimum Fin Area Thermoelectric Refrigerators, C. L. Feldman ..... 2— 68
Refrigeration and Air Conditioning Seminar a Success at Philadelphia ..... 6— 56
Refrigeration Used in Piercing the Steeg Dam, J. Thevenin ..... 7— 54
Refrigerating Capacity and Performance Data for Various Refrigerants, Azeotropes and Mixtures, R. C. McHarness and D. D. Chapman ..... 1— 49
Refrigerant Piping for Single Compressor Systems, S. J. Gianni ..... 4— 46
Research Page
ALYEA, H. W. and W. P. Chapman, RP5 Studies Air-Conditioning System Control ..... 12— 75
GILMAN, S. F., Research Year in Review ..... 6— 97
HOLLADAY, W. L., More Milk from Cool Cows 10— 85
JOHNSON, V. J., Proposed Changes in Refrigerant Tables Reviewed ..... 11— 67
MAYERS, M. A., Our Aim Is to Make Our Research Programs Truly Cooperative ..... 1— 86
SPIEGEL, W. F., Survival Shelters Task Group 4— 70
WILSON, A. G., We Must Find the Answer ..... 9— 97
RIVERS, R. D., Operating Principles of Non-Ionizing Electrostatic Air Filters ..... 2— 37
RIZZUTI, C. J., G. D. Staffin and A. W. Jenkins, Effects of Additives and Oil Refining on Refrigerant-Refrigerator Oil Stability ..... 7— 31
Room Temperature Dynamics of Radiant Ceiling and Air Conditioning Comfort Systems, R. E. Boyar ..... 12— 59
ROSEN, S., see W. O. Walker ..... 8— 59
RUSH, W. F., see K. F. Dockus ..... 12— 67

S

SBI Code, P. M. Stephenson ..... 5— 42
SEARLES, E. R., retires as Editor of JOURNAL .. 1— 84
Selection and Application of Overhead Gas-Fired Infrared Heating Devices (High Intensity Infrared Radiant Space Heating Symposium, ASHRAE 69th Annual Meeting) ..... 10— 62
Selection of Hot Junction Temperatures for Minimum Fin Area Thermoelectric Refrigerators, C. L. Feldman ..... 2— 68
SILVERA, A., Overseas Affiliation ..... 4— 49
SILVERMAN, L., see R. Dennis ..... 3— 43
Society Management Reorganization Approved by ASHRAE Board, W. A. Grant ..... 5— 48
Solar Energy Data Applicable to Building Design, R. C. Jordan and B. Y. Liu ..... 12— 31
Solar-Heated House Uses ¾ hp for Air Conditioning, E. E. Thomason ..... 11— 58
Solar Irradiation of Surfaces on Clear Days, J. L. Threlkeld ..... 11— 43
Some Basic Principles of Food Freezing, H. F. Groth ..... 10— 54
SPAUSCHUS, H. O., Vapor Pressures of Refrigerant 12-Refrigerant 22 Mixtures ..... 9— 49
SPIEGEL, W. F., Survival Shelter Task Group .... 4— 70
Spray Droplet Size of Pressure-Atomizing Burner Nozzles, E. O. Olson ..... 3— 39
Stability of Mixtures of Refrigerants and Refrigerating Oils, W. O. Walker, S. Rosen and S. L. Levy ..... 8— 59
STAFFIN, G. D., see C. J. Rizzuti ..... 7— 31
Standards
United States Participates in International Standards, A. T. Boggs, III ..... 5— 37
Steel Boiler Ratings Symposium, ASHRAE Semiannual Meeting, St. Louis
Application of Steel Boiler Ratings, M. H. Westerberg ..... 4— 43
Rating of Intermediate and Large Commercial Steel Boilers, J. F. Johnston, Jr. ..... 5— 44
Rating of Package Firetube Generators, H. F. Holtz ..... 5— 40
Rating of Residential and Small Commercial Steel Boilers, J. K. Thornton ..... 4— 37
SBI Code, P. M. Stephenson ..... 5— 42
STEPHENSON, D. G., An Analog Evaluation of Methods for Solar Heat Gain through Windows 2— 41
STEPHENSON, P. M., SBI Code ..... 5— 42
ST. ONGE, L. R., nominated for Director-at-Large 4— 66
Storage Time and Temperature Affect Frozen Citrus Juice Quality, M. K. Veldhuis and Theo. J. Kew ..... 12— 43
STUART, A. J., see H. C. Curtis ..... 6— 40
SULLIVAN, L. B. and W. I. Truettner, Natural Convection Heat Transfer from a Heated Cylinder in Air at Sub-Atmospheric Pressures .. 4— 54

T

TANEMURA, K. T., see E. J. Overmyer ..... 6— 48
TAYLOR, WILLIAM, nominated for Director Region V ..... 4— 66
THEVENIN, J., Refrigeration Used in Piercing the Steeg Dam ..... 7— 54
THOMASON, H. E., Solar-Heated House Uses ¾ hp for Air Conditioning ..... 11— 58
THORNTON, J. K., Rating of Residential and Small Commercial Steel Boilers ..... 4— 37
THRELKELD, J. L., Solar Irradiation of Surfaces on Clear Days ..... 11— 43
Transient Currents in Heat Pumps, L. J. Eggert .. 10— 50
TRUETTNER, W. I., see L. B. Sullivan ..... 4— 54

U

Unknown Quantity of Annual Fuel Consumption, W. K. Miller, Jr. ..... 12— 42
Use of the Fitch Method for Estimating the Thermal Conductivity of Components of Fruits and Vegetables, A. H. Bennett, W. G. Chace, Jr., and R. H. Cubbedge ..... 9— 80

V

Vapor Pressures of Refrigerant 12-Refrigerant 22 Mixtures, H. O. Spauschus ..... 9— 49
VELDHUIS, M. K. and Theo. J. Kew, Storage Time and Temperature Affect Frozen Citrus Juice Quality ..... 12— 43

W

WALKER, C. A., Control of High Intensity Infrared Heating (High Intensity Infrared Radiant Space Heating Symposium, ASHRAE 69th Annual Meeting) ..... 10— 66
WALKER, W. O., S. Rosen and S. L. Levy, Stability of Mixtures of Refrigerants and Refrigerating Oils ..... 8— 59
Water Treatment and Boiler Maintenance, R. Greenwald ..... 7— 27
WESTERBERG, M. H., Application of Steel Boiler Ratings (Steel Boiler Ratings Symposium, ASHRAE Semiannual Meeting, St. Louis) ..... 4— 43
WHITBY, K. T., R. C. Jordan and A. B. Algren, Field and Laboratory Performance of Air Cleaners ..... 6— 79
WHITE, T. J., nominated for Director Region X .. 4— 67
WHITEHURST, C. A., Heat and Mass Transfer by Free Convection from Humid Air to a Metal Plate under Frosting Conditions ..... 5— 58
WILLIAMS, L., Are Present Recommended Winter Outdoor Design Temperatures Valid? ..... 6— 89
WILSON, A. G., We Must Find the Answer ..... 9— 97

Z

ZAMUNER, N., Crossflow Cooling Tower Analysis and Design ..... 4— 50